AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

 (Previously Presented) A production method for producing a light-emitting device in which a light-emitting layer at least including an n-type semiconductor layer and a p-type semiconductor layer is layered on a transparent crystal substrate, comprising:

applying a silicon organic solvent to at least a part of the transparent crystal substrate or the light-emitting layer to form a transfer layer on at least a part of the transparent crystal substrate or the light-emitting layer;

softening or setting said transfer layer upon supplying an energy thereto;

pressing a mold formed with a minute unevenness structure against the transfer layer to transfer the minute unevenness structure to an outer surface of the transfer layer under a pressure of 5 MPa or higher and 150 MPa or lower; and

dry etching the transfer layer with a chlorine gas using the transfer layer as a resist mask to form a minute unevenness structure for preventing multiple reflection in the transparent crystal substrate or the light-emitting layer.

(Previously Presented) A production method according to claim 1, wherein forming the minute unevenness structure in the light-emitting layer includes separating the transparent crystal substrate from the light-emitting layer after a substrate bearing layer is formed on a surface of the light-emitting layer where electrodes are to be formed.

(Canceled)

- 4. (Previously Presented) A production method according to claim 1, wherein forming the minute unevenness structure for preventing the multiple reflection in the light-emitting layer includes pressing a mold having an upper flat portion to be located near the bottoms of the minute unevenness structure for preventing the multiple reflection and a lower flat portion to be located at a position lowered from the upper flat portion by about the thickness of the upper semiconductor layer of the light-emitting layer against the transfer layer to transfer an upper flat portion and a lower flat portion together with the minute unevenness structure to the transfer layer, and forming electrode-forming portions by etching the upper and lower semiconductor layers of the light-emitting layer when dry etching is carried out using the transfer layer as a resist mask.
- (Previously Presented) A production method according to claim 4, wherein the etching comprises adjusting a selection ratio of the etching speed of the light-emitting layer to that of the resist from twofold to fourfold.
- 6. (Previously Presented) A production method according to claim 5, wherein applying the silicon organic solvent to form the transfer layer comprises applying the silicon organic solvent by potting or spray coating.

- (Canceled)
- 8. (Previously Presented) A production method according to claim 6, comprising forming an unevenness structure larger than the minute unevenness structure on the minute unevenness structure of the light-emitting layer after forming the minute unevenness structure for preventing the multiple reflection in the light-emitting layer.
- (Original) A production method according to claim 8, wherein the unevenness structure has the shape of a prism or microlens.
- 10. (Previously Presented) A production method according to claim 1, wherein the etching comprises adjusting a selection ratio of the etching speed of the light-emitting layer to that of the resist from twofold to fourfold.

11. (Canceled)

- 12. (Previously Presented) A production method according to claim 1, comprising forming an unevenness structure larger than the minute unevenness structure on the minute unevenness structure of the light-emitting layer after forming the minute unevenness structure for preventing the multiple reflection in the light-emitting layer.
- (Canceled)

- 14. (Previously Presented) A production method according to claim 1, wherein applying the silicon organic solvent to form the transfer layer comprises applying the silicon organic solvent by potting or spray coating.
- 15. (New) A production method according to claim 1, wherein the silicon organic solvent comprises:

an alcohol, an ester, a ketone or a mixture of two or more of an alcohol, an ester, and a ketone, and

a silicon alkoxide component, $R_nSi(OH)_{4\cdot n}$, where R is H or alky group, and n is an integer of 0 to 3.

- (New) A production method according to claim 15, wherein the silicon organic solvent contains TEOS or TMOS.
- 17. (New) A production method according to claim 1, wherein the silicon organic solvent is applied at a thickness of 2 μ m or greater.
- 18. (New) A production method according to claim 1, wherein the method further comprises post-baking the transfer layer at or below 120°C after the minute unevenness structure is transferred to the transfer layer.